Project Title:	Hypoxia, DNA repair, and gene silencing
PI:	Glazer, Peter M
Institution:	Yale University
Grant Number:	R01ES005775

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 55 publications
Print version (PDF)
(http://www.niehs.nih.gov//portfolio/index.cfm/portfolio/grantpubdetail/grant_number/R01ES005775/format/word)

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Li
Altered repair of targeted psoralen photoadducts in the context of an oligonucleotide-mediated tripl ...	Wang, G; Glazer, P M	J Biol Chem (1995 Sep 22)	270 / 22595-601	PubMed Citat
ATM-dependent expression of the insulin-like growth factor-I receptor in a pathway regulating radiat ...	Peretz, S; Jensen, R; Baserga, R; Glazer, P M	Proc Natl Acad Sci U S A (2001 Feb 13)	98 / 1676-81	PubMed Citat
Basal repression of BRCA1 by multiple E2Fs and pocket proteins at adjacent E2F sites.	Bindra, Ranjit S; Glazer, Peter M	Cancer Biol Ther (2006 Oct)	5 / 1400-7	PubMed Citat
Cell-interdependent cisplatin killing by Ku/DNA-dependent protein kinase signaling transduced throug ...	Jensen, Ryan; Glazer, Peter M	Proc Natl Acad Sci U S A (2004 Apr 20)	101 / 6134-9	PubMed Citat
CHK2-dependent phosphorylation of BRCA1 in hypoxia.	Gibson, Shannon L; Bindra, Ranjit S; Glazer, Peter M	Radiat Res (2006 Oct)	166 / 646-51	PubMed Citat
Chronic hypoxia decreases synthesis of homologous recombination proteins to offset chemoresistance a ...	Chan, Norman; Koritzinsky, Marianne; Zhao, Helen; Bindra, Ranjit; Glazer, Peter M; Powell, Simon; Belmaaza, Abdellah; Wouters, Brad; Bristow, Robert G	Cancer Res (2008 Jan 15)	68 / 605-14	PubMed Citat
Co-repression of mismatch repair gene expression by hypoxia in cancer cells: role of the Myc/Max net ...	Bindra, Ranjit S; Glazer, Peter M	Cancer Lett (2007 Jul 8)	252 / 93-103	PubMed Citat
Decreased expression of the DNA mismatch repair gene Mlh1 under hypoxic stress in mammalian cells.	Mihaylova, Valia T; Bindra, Ranjit S; Yuan, Jianling; Campisi, Denise; Narayanan, Latha; Jensen, Ryan; Giordano, Frank; Johnson, Randall S; Rockwell, Sara; Glazer, Peter M	Mol Cell Biol (2003 May)	23 / 3265-73	PubMed Citat

Different mutator phenotypes in Mlh1- versus Pms2-deficient mice.	Yao, X; Buermeyer, A B; Narayanan, L; Tran, D; Baker, S M; Prolla, T A; Glazer, P M; Liskay, R M; Arnheim, N	Proc Natl Acad Sci U S A (1999 Jun 8)	96 / 6850-5	PubMed Citat
Differing patterns of genetic instability in mice deficient in the mismatch repair genes Pms2, Mlh1, ...	Hegan, Denise Campisi; Narayanan, Latha; Jirik, Frank R; Edelmann, Winfried; Liskay, R Michael; Glazer, Peter M	Carcinogenesis (2006 Dec)	27 / 2402-8	PubMed Citat
Down-regulation of Rad51 and decreased homologous recombination in hypoxic cancer cells.	Bindra, Ranjit S; Schaffer, Paul J; Meng, Alice; Woo, Jennifer; Måseide, Kårstein; Roth, Matt E; Lizardi, Paul; Hedley, David W; Bristow, Robert G; Glazer, Peter M	Mol Cell Biol (2004 Oct)	24 / 8504-18	PubMed Citat
Elevated levels of mutation in multiple tissues of mice deficient in the DNA mismatch repair gene Pm ...	Narayanan, L; Fritzell, J A; Baker, S M; Liskay, R M; Glazer, P M	Proc Natl Acad Sci U S A (1997 Apr 1)	94 / 3122-7	PubMed Citat
Emerging roles of microRNAs in the molecular responses to hypoxia.	Crosby, Meredith E; Devlin, Cecilia M; Glazer, Peter M; Calin, George A; Ivan, Mircea	Curr Pharm Des (2009)	15 / 3861-6	PubMed Citat
Frequent spontaneous deletions at a shuttle vector locus in transgenic mice.	Leach, E G; Gunther, E J; Yeasky, T M; Gibson, L H; Yang-Feng, T L; Glazer, P M	Mutagenesis (1996 Jan)	11 / 49-56	PubMed Citat
G:C transversions in X-irradiated mouse cells."> Frequent T:A-->G:C transversions in X-irradiated mouse cells.	Yuan, J; Yeasky, T M; Rhee, M C; Glazer, P M	Carcinogenesis (1995 Jan)	16 / 83-8	PubMed Citat
Genetic instability induced by the tumor microenvironment.	Reynolds, T Y; Rockwell, S; Glazer, P M	Cancer Res (1996 Dec 15)	56 / 5754-7	PubMed Citat
High efficiency, restriction-deficient in vitro packaging extracts for bacteriophage lambda DNA usin ...	Gunther, E J; Murray, N E; Glazer, P M	Nucleic Acids Res (1993 Aug 11)	21 / 3903-4	PubMed Citat
Hypermutability to ionizing radiation in mismatch repair-deficient, Pms2 knockout mice.	Xu, X S; Narayanan, L; Dunklee, B; Liskay, R M; Glazer, P M	Cancer Res (2001 May 1)	61 / 3775-80	PubMed Citat
Hypoxia and DNA repair.	Glazer, Peter M; Hegan, Denise C; Lu, Yuhong; Czochor, Jennifer; Scanlon, Susan E	Yale J Biol Med (2013 Dec 13)	86 / 443-51	PubMed Citat

Hypoxia down-regulates DNA double strand break repair gene expression in prostate cancer cells.	Meng, Alice X; Jalali, Farid; Cuddihy, Andrew; Chan, Norman; Bindra, Ranjit S; Glazer, Peter M; Bristow, Robert G	Radiother Oncol (2005 Aug)	76 / 168-76	PubMed Citat
Hypoxia-induced down-regulation of BRCA1 expression by E2Fs.	Bindra, Ranjit S; Gibson, Shannon L; Meng, Alice; Westermark, Ulrica; Jasin, Maria; Pierce, Andrew J; Bristow, Robert G; Classon, Marie K; Glazer, Peter M	Cancer Res (2005 Dec 15)	65 / 11597-604	PubMed Citat
Hypoxia-induced epigenetic regulation and silencing of the BRCA1 promoter.	Lu, Yuhong; Chu, Adrian; Turker, Mitchell S; Glazer, Peter M	Mol Cell Biol (2011 Aug)	31 / 3339-50	PubMed Citat
Hypoxia-induced phosphorylation of Chk2 in an ataxia telangiectasia mutated-dependent manner.	Gibson, Shannon L; Bindra, Ranjit S; Glazer, Peter M	Cancer Res (2005 Dec 1)	65 / 10734-41	PubMed Citat
Hypoxic stress facilitates acute activation and chronic downregulation of fanconi anemia proteins.	Scanlon, Susan E; Glazer, Peter M	Mol Cancer Res (2014 Jul)	12 / 1016-28	PubMed Citat
Induction of p53 in mouse cells decreases mutagenesis by UV radiation.	Yuan, J; Yeasky, T M; Havre, P A; Glazer, P M	Carcinogenesis (1995 Oct)	16 / 2295-300	PubMed Citat
Inhibition of hypoxia-induced miR-155 radiosensitizes hypoxic lung cancer cells.	Babar, Imran A; Czochor, Jennifer; Steinmetz, Allison; Weidhaas, Joanne B; Glazer, Peter M; Slack, Frank J	Cancer Biol Ther (2011 Nov 15)	12 / 908-14	PubMed Citat
Inhibition of poly(ADP-ribose) polymerase down-regulates BRCA1 and RAD51 in a pathway mediated by E2 ...	Hegan, Denise Campisi; Lu, Yuhong; Stachelek, Gregory C; Crosby, Meredith E; Bindra, Ranjit S; Glazer, Peter M	Proc Natl Acad Sci U S A (2010 Feb 2)	107 / 2201-6	PubMed Citat
Insulin-like growth factor-I receptor overexpression mediates cellular radioresistance and local bre ...	Turner, B C; Haffty, B G; Narayanan, L; Yuan, J; Havre, P A; Gumbs, A A; Kaplan, L; Burgaud, J L; Carter, D; Baserga, R; Glazer, P M	Cancer Res (1997 Aug 1)	57 / 3079-83	PubMed Citat
Ionizing radiation-induced apoptosis via separate Pms2- and p53-dependent pathways.	Zeng, M; Narayanan, L; Xu, X S; Prolla, T A; Liskay, R M; Glazer, P M	Cancer Res (2000 Sep 1)	60 / 4889-93	PubMed Citat
LKB1 preserves genome integrity by stimulating BRCA1 expression.	Gupta, Romi; Liu, Alex Y; Glazer, Peter M; Wajapeyee, Narendra	Nucleic Acids Res (2015 Jan)	43 / 259-71	PubMed Citat

Markov counting models for correlated binary responses.	Crawford, Forrest W; Zelterman, Daniel	Biostatistics (2015 Jul)	16 / 427-40	PubMed Citat
Mechanism of action studies of lomaiviticin A and the monomeric lomaiviticin aglycon. Selective and ...	Colis, Laureen C; Hegan, Denise C; Kaneko, Miho; Glazer, Peter M; Herzon, Seth B	J Am Chem Soc (2015 May 6)	137 / 5741-7	PubMed Citat
MicroRNA regulation of DNA repair gene expression in hypoxic stress.	Crosby, Meredith E; Kulshreshtha, Ritu; Ivan, Mircea; Glazer, Peter M	Cancer Res (2009 Feb 1)	69 / 1221-9	PubMed Citat
MicroRNA silencing for cancer therapy targeted to the tumour microenvironment.	Cheng, Christopher J; Bahal, Raman; Babar, Imran A; Pincus, Zachary; Barrera, Francisco; Liu, Connie; Svoronos, Alexander; Braddock, Demetrios T; Glazer, Peter M; Engelman, Donald M; Saltzman, W Mark; Slack, Frank J	Nature (2015 Feb 5)	518 / 107-10	PubMed Citat
miR-155 Overexpression Promotes Genomic Instability by Reducing High-fidelity Polymerase Delta Expre ...	Czochor, Jennifer R; Sulkowski, Parker; Glazer, Peter M	Mol Cancer Res (2016 Apr)	14 / 363-73	PubMed Citat
Multifaceted control of DNA repair pathways by the hypoxic tumor microenvironment.	Scanlon, Susan E; Glazer, Peter M	DNA Repair (Amst) (2015 Aug)	32 / 180-9	PubMed Citat
Mutagenesis by 8-methoxypsoralen and 5-methylangelicin photoadducts in mouse fibroblasts: mutations ...	Gunther, E J; Yeasky, T M; Gasparro, F P; Glazer, P M	Cancer Res (1995 Mar 15)	55 / 1283-8	PubMed Citat
Mutagenesis by third-strand-directed psoralen adducts in repair-deficient human cells: high frequenc ...	Raha, M; Wang, G; Seidman, M M; Glazer, P M	Proc Natl Acad Sci U S A (1996 Apr 2)	93 / 2941-6	PubMed Citat
Mutagenesis in mammalian cells induced by triple helix formation and transcription-coupled repair.	Wang, G; Seidman, M M; Glazer, P M	Science (1996 Feb 9)	271 / 802-5	PubMed Citat
Mutagenesis in PMS2- and MSH2-deficient mice indicates differential protection from transversions an ...	Andrew, S E; Xu, X S; Baross-Francis, A; Narayanan, L; Milhausen, K; Liskay, R M; Jirik, F R; Glazer, P M	Carcinogenesis (2000 Jul)	21 / 1291-5	PubMed Citat
Overexpression of the DNA mismatch repair factor, PMS2, confers hypermutability and DNA damage toler ...	Gibson, Shannon L; Narayanan, Latha; Hegan, Denise Campisi; Buermeyer, Andrew B; Liskay, R Michael; Glazer, Peter M	Cancer Lett (2006 Dec 8)	244 / 195-202	PubMed Citat

Potentiation of temozolomide cytotoxicity by inhibition of DNA polymerase beta is accentuated by BRC ...	Stachelek, Gregory C; Dalal, Shibani; Donigan, Katherine A; Campisi Hegan, Denise; Sweasy, Joann B; Glazer, Peter M	Cancer Res (2010 Jan 1)	70 / 409-17	PubMed Citat
Recombination induced by triple-helix-targeted DNA damage in mammalian cells.	Faruqi, A F; Seidman, M M; Segal, D J; Carroll, D; Glazer, P M	Mol Cell Biol (1996 Dec)	16 / 6820-8	PubMed Citat
Repression of RAD51 gene expression by E2F4/p130 complexes in hypoxia.	Bindra, R S; Glazer, P M	Oncogene (2007 Mar 29)	26 / 2048-57	PubMed Citat
Role of DNA mismatch repair in the cytotoxicity of ionizing radiation.	Fritzell, J A; Narayanan, L; Baker, S M; Bronner, C E; Andrew, S E; Prolla, T A; Bradley, A; Jirik, F R; Liskay, R M; Glazer, P M	Cancer Res (1997 Nov 15)	57 / 5143-7	PubMed Citat
Silencing of the DNA mismatch repair gene MLH1 induced by hypoxic stress in a pathway dependent on t ...	Lu, Yuhong; Wajapeyee, Narendra; Turker, Mitchell S; Glazer, Peter M	Cell Rep (2014 Jul 24)	8 / 501-13	PubMed Citat
Site-specific targeting of psoralen photoadducts with a triple helix-forming oligonucleotide: charac ...	Gasparro, F P; Havre, P A; Olack, G A; Gunther, E J; Glazer, P M	Nucleic Acids Res (1994 Jul 25)	22 / 2845-52	PubMed Citat
Targeted mutagenesis in mammalian cells mediated by intracellular triple helix formation.	Wang, G; Levy, D D; Seidman, M M; Glazer, P M	Mol Cell Biol (1995 Mar)	15 / 1759-68	PubMed Citat
Targeted mutagenesis mediated by the triple helix formation.	Glazer, P M; Wang, G; Havre, P A; Gunther, E J	Methods Mol Biol (1996)	57 / 109-18	PubMed Citat
Targeted mutagenesis of DNA using triple helix-forming oligonucleotides linked to psoralen.	Havre, P A; Gunther, E J; Gasparro, F P; Glazer, P M	Proc Natl Acad Sci U S A (1993 Aug 15)	90 / 7879-83	PubMed Citat
Targeted mutagenesis of simian virus 40 DNA mediated by a triple helix-forming oligonucleotide.	Havre, P A; Glazer, P M	J Virol (1993 Dec)	67 / 7324-31	PubMed Citat
The cytotoxicity of (-)-lomaiviticin A arises from induction of double-strand breaks in DNA.	Colis, Laureen C; Woo, Christina M; Hegan, Denise C; Li, Zhenwu; Glazer, Peter M; Herzon, Seth B	Nat Chem (2014 Jun)	6 / 504-10	PubMed Citat
The Tyr-265-to-Cys mutator mutant of DNA polymerase beta induces a mutator phenotype in mouse LN12 c ...	Clairmont, C A; Narayanan, L; Sun, K W; Glazer, P M; Sweasy, J B	Proc Natl Acad Sci U S A (1999 Aug 17)	96 / 9580-5	PubMed Citat
Tissue specificity of spontaneous point mutations in lambda supF transgenic mice.	Leach, E G; Narayanan, L; Havre, P A; Gunther, E J; Yeasky, T M; Glazer, P M	Environ Mol Mutagen (1996)	28 / 459-64	PubMed Citat
Tumor suppressor p53 stole the AKT in hypoxia.	Yun, Zhong; Glazer, Peter M	J Clin Invest (2015 Jun)	125 / 2264-6	PubMed Citat